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Standard Analog Video Cable

RG-59/U Type

Jameco Part Number 232928 (8241-010-1000)



Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

23 AWG Solid .023" Bare Copper or Bare Copper-covered Steel Conductor (see below) • 95% Bare Copper Braid Shield

Polyethylene Insulation • Black PVC Jacket

UL AWM Style 1354 (30V 75°C)	8241	NEC: CMX CEC: CMX	100 U-500 500 U-1000	30.5 U-152.4 152.4 U-304.8	5.0 20.5 22.5 40.0	2.3 9.3 10.2 18.2	23 AWG (solid) .023" BCCS 49.0Ω/M' 160.7Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.6Ω/M' 8.5Ω/km	.242	6.15	75	66%	20.5	67.3	1 10 50 100 200 400 700 900 1000	.6 1.1 2.4 3.4 4.9 7.0 9.7 11.1 12.0	2.0 3.6 7.9 11.2 16.1 23.0 31.8 36.4 39.4
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For Plenum versions of 8241,
see 88241 or 82241.

*U-1000 ft. put-up also available in Red, Yellow, Green, Lt. Blue, White or Orange.

Flame-retardant Semi-foam Polyethylene Insulation • Black PVC Jacket

UL AWM Style 1354 (30V 75°C)	8241A	NEC: CMG CEC: CMG FT4	U-1000 1000	U-304.8 304.8	42.0 43.0	19.1 19.5	23 AWG (solid) .023" BCCS 49.0Ω/M' 160.7Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.6Ω/M' 8.5Ω/km	.242	6.15	75	66%	20.5	67.3	1 5 10 50 100 200 400 700 900 1000	.6 .9 1.1 2.4 3.4 4.9 7.0 10.1 11.7 13.2	2.0 3.0 3.6 7.9 11.2 16.1 23.0 33.1 38.2 43.3
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Polyethylene Insulation • Black PVC Jacket

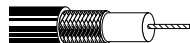
UL AWM Style 1354 (30V 80°C)	8241B	NEC: CM CEC: CM	U-1000 1000	U-304.8 304.8	37.0 38.0	16.8 17.3	23 AWG (solid) .023" BC 20.4Ω/M' 66.9Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.9Ω/M' 9.5Ω/km	.242	6.15	75	66%	20.5	67.3	1 10 50 100 200 400 700 900 1000	.4 1.1 2.4 3.4 4.9 7.0 9.7 11.1 12.0	1.3 3.6 7.9 11.2 16.1 23.0 31.8 36.4 39.4
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22 AWG Stranded (7x30) .030" Bare Copper • 95% Bare Copper Braid Shield

Foam Polyethylene Insulation • PVC Jacket (Available in Matte Black, Red, Blue, Green, White, Gray or Yellow)

High-Flex 60°C	8241F		1000	304.8	34.0	15.5	22 AWG (7x30) .030" BC 15.0Ω/M' 49.2Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.6Ω/M' 8.5Ω/km	.242	6.15	75	78%	17.3	56.8	1 10 50 100 200 400 700 900 1000	.3 .9 2.1 3.0 4.5 6.6 8.9 10.1 10.9	1.0 3.0 6.9 9.8 14.8 21.7 29.2 33.1 35.8
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23 AWG Solid .023" Bare Copper-covered Steel Conductor • 97% Bare Copper Braid Shield

Plenum • FEP Insulation • Black FEP Jacket

200°C	88241	NEC: CMP CEC: CMP FT6	500 [†] 1000 [†]	152.4 304.8	20.5 40.0	9.3 18.2	23 AWG (solid) .023" BCCS 49.0Ω/M' 160.7Ω/km	.132	3.35	BC Braid 97% Shield Coverage 2.6Ω/M' 8.5Ω/km	.190	4.83	75	69.5%	19.5	64.0	1 10 50 100 200 400 700 900 1000	.5 1.0 2.3 3.3 5.2 8.4 11.6 13.8 14.8	1.6 3.3 7.5 10.8 17.1 27.6 38.0 45.3 48.5
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Suitable for Outdoor and Direct Burial applications.

Plenum • FEP Insulation • Natural Flamarrest® Jacket

75°C	82241	NEC: CMP CEC: CMP FT6	U-500 [†] U-1000 [†] 1000 [†]	U-152.4 U-304.8 304.8	16.0 32.0 32.0	7.3 14.5 14.5	23 AWG (solid) .023" BCCS 49.0Ω/M' 160.7Ω/km	.132	3.35	BC Braid 97% Shield Coverage 2.6Ω/M' 8.5Ω/km	.190	4.83	75	69.5%	19.5	64.0	1 10 50 100 200 400 700 900 1000	.5 1.0 2.3 3.3 5.2 8.4 11.6 13.8 14.8	1.6 3.3 7.5 10.8 17.1 27.6 38.0 45.3 48.5
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BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. 1-800-BELDEN-1. Request quotations of RG/U cables not listed.

[†]Spools and/or UnReel® cartons are one piece, but length may vary ±10% from length shown.

